



H Series

60 HZ HIGH CAPACITY 6" SUBMERSIBLE PUMPS

FOR 6" AND LARGER WELLS



FEATURES

Powered for Continuous Operation: All ratings are within the working limits of the motor manufacturer. Pump can be operated continuously without fear of damage to the motor.

Completely Field Serviceable: Easy to install and service. All parts easily dismantled if field service is ever necessary. No special tools needed. No shipping back to factory.

Diverse Application: Designed for commercial, municipal and agricultural water needs.

Bearings: Replaceable fluted bearings allow excellent abrasives handling and wear resistance.

Shaft Sleeves: Replaceable stainless steel, hex-driven, sleeves help protect shaft from abrasives.

Pump Shaft: Precision straightened hex shaft.

Coupling: Heavy duty stainless steel, splined coupling for maximum load-carrying capability.

Bowls: Cast iron turbine bowl design.

Impellers: Silicon brass impellers dynamically balanced for smooth operation.

Suction Strainer: Stainless steel strainer restricts gravel and other debris from entering the pump.

Cable Guard: Stainless steel cable guard surrounds and protects motor leads.

Fasteners: All fasteners are stainless steel.

NEMA Design Motors: Stainless steel and epoxy coated end bells resist corrosion. Water filled design provides a constant supply of lubrication. Hermetically sealed stator assures moisture free windings. Durable Kingsbury type thrust bearing absorbs all thrust. Replaceable motor lead assembly.

AGENCY LISTINGS



NSF/ANSI 372 - Drinking Water System Components - Lead Content

CLASS 6853 01 - Low Lead Content Certification Program - Plumbing Products

SYSTEM COMPONENTS

Pump/Water End:

- 6" Pump.
- 4" Motor Adapter on 5 HP models.
- 6" Motor Adapter on 7.5 HP and larger models.

Motor:

- 4" Motor required for 5 HP pumps.
- 6" Motor required for 7.5 HP and larger pumps.

Control Box: Required for all single phase motors.

Magnetic Starter: A magnetic starter with overloads is required for all three phase units.

PUMPS, MOTORS AND CONTROLS MUST BE ORDERED SEPARATELY AND ARE PACKAGED SEPARATELY.

"H" SERIES MATERIALS OF CONSTRUCTION

Part Name	Material
Motor Adapter	Cast Iron ASTM A48 Class 30
Discharge Head	
Bowl	
Shaft 2-6 Stage	ASTM A276 AISI T304 SS
Shaft 7-13 Stage	Monel ASTM B164
Coupling	ASTM A582 AISI T303 SS
Spline Protector	Neoprene
Suction Screen	ASTM A582 AISI T303 SS
Shaft Sleeve	AISI T316 SS Powder Metal
Bearing	Viton®
Impeller	ASTM B584 C87610
Cotter Pin	ASTM A276 AISI T304 SS
Wear Ring	ASTM C95400
Hex Head Bolts	ASTM F593 AISI T303 SS
Cable Guard	ASTM A582 AISI T303 SS
Lock Washers	ASTM A582 AISI T303 SS

WATER END (PUMP) DATA

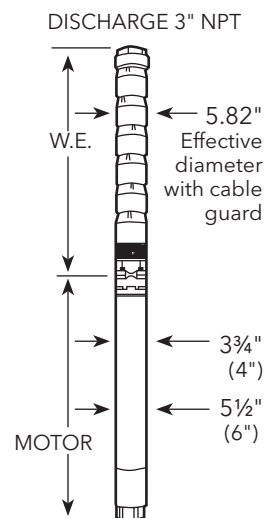
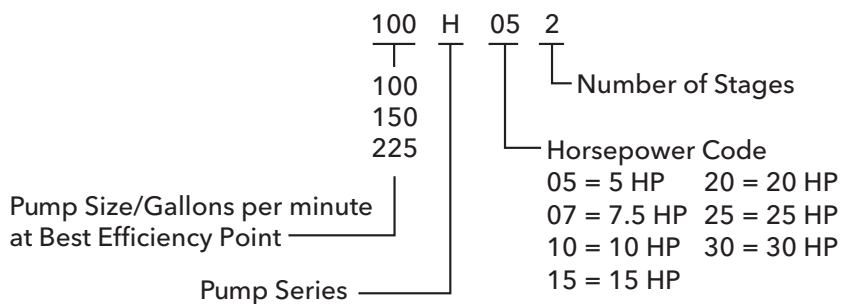
Series	Order No.	Stages	Required Motor		Water End	
			HP	Diameter	Length (in)	Weight (lbs)
100H	100H05 2	2	5	4"	18.0	51
	100H07 4	4	7.5	6"	29.3	84
	100H10 5	5	10	6"	34.3	105
	100H15 8	8	15	6"	49.3	154
	100H20 10	10	20	6"	59.3	185
	100H25 13	13	25	6"	74.3	258
150H	150H05 2	2	5	4"	18.0	51
	150H07 3	3	7.5	6"	24.3	73
	150H10 4	4	10	6"	29.3	84
	150H15 6	6	15	6"	39.3	136
	150H20 8	8	20	6"	49.3	154
	150H25 10	10	25	6"	59.3	185
225H	225H05 2	2	5	4"	18.0	51
	225H07 2	2	7.5	6"	18.0	51
	225H10 3	3	10	6"	24.3	73
	225H15 4	4	15	6"	29.3	84
	225H20 6	6	20	6"	39.3	136
	225H25 7	7	25	6"	44.3	139
	225H30 8	8	30	6"	49.3	154
	225H30 9	9	30	6"	54.3	172

SPECIFICATIONS

Model	Horsepower Range	Discharge Connection	Recommended GPM Operating Range	GPM at Best Efficiency	Minimum Well Size	Rotation ^①
100H	5 - 25	3" NPT	45 - 160	100	6"	CCW
150H	5 - 25	3" NPT	50 - 240	150	6"	CCW
225H	5 - 30	3" NPT	80 - 360	225	6"	CCW

① Rotation when viewed from pump discharge end.

ORDER NUMBER CODE



MOTOR SELECTION

FM Series Motors

Single Phase Motors - Dimensions and Weights					
Motor Part No.	HP	Diameter	Voltage	Length (in.)	Weight (lbs)
M50412	5	4"	230	27.7	70
6F071	7.5	6"		28.1	117
6F101	10			30.3	132
6F151	15			32.8	144
Three Phase Motors - Dimensions and Weights					
M50432	5	4"	230	21.7	55
M50434			460		
6F0724	7.5	6"	230/460	24.3	97
6F1024	10			25.6	104
6F1524	15			28.1	117
6F2024	20			30.3	132
6F2524	25			32.8	144
6F3024	30			35.6	165

Three phase FM motors are supplied with a voltage change device to change voltage from 230 to 460 volts.

Goulds Water Technology Motors

Single Phase Motors - Dimensions and Weights					
Motor Order No.	HP	Motor Diameter	Volts	Length (inches)	Weight (lbs)
6M071	7.5	6"	230	29.9	128
6M101	10			33.5	148
6M151	15				
Three Phase Motors - Dimensions and Weights					
6M072	7.5	6"	230	24.8	99
6M074			460		
6M102	10		230	27.0	110
6M104			460		
6M152	15		230	29.9	128
6M154			460		
6M202	20		230	31.5	137
6M204			460		
6M252	25		230	36.2	161
6M254			460		
6M302	30		230	38.2	176
6M304			460		

200V, 6" motors are now offered, call for availability

NOTE: 4" Diameter motors are required for 5 HP "H" Series pumps
6" Diameter motors are required for 7.5 HP and larger "H" Series pumps.

Model 100H

SELECTION CHART

Horsepower Range 5 - 25, Recommended Range 45 - 160 GPM, 60 Hz, 3450 RPM

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																		
	HP	PSI	25	50	75	100	125	150	175	200	250	300	350	400	450	500	600	700	800
100H05 2 2 Stages	5	0		165	140	115	83												
		20	145	119	90														
		30	120	90															
		40	95																
		50																	
		60																	
100H07 4 4 Stages	7.5	0				160	150	140	127	112	65								
		20			153	140	130	113	97	68									
		30		153	140	130	113	99	70										
		40	155	143	132	118	103	72											
		50	145	132	118	103	72												
		60	133	118	104	78													
100H10 5 5 Stages	10	0				171	164	156	147	138	116	92							
		20		172	165	157	149	140	129	119	95	50							
		30	172	166	158	150	140	130	119	108	76								
		40	166	158	150	141	131	120	109	96	52								
		50	159	151	141	132	121	110	97	80									
		60	151	143	132	122	110	99	81	60									
100H15 8 8 Stages	15	0									152	139	127	112	93	68			
		20							158	152	140	128	113	95	72				
		30						158	152	147	134	120	105	85					
		40					158	153	148	142	128	113	97	73					
		50				158	153	148	143	135	122	107	88						
		60			158	153	148	143	136	129	115	98	73						
100H20 10 10 Stages	20	0							174	171	163	156	147	137	127	117	90		
		20					175	171	168	164	156	148	138	128	117	105	75		
		30				175	172	168	165	160	152	143	133	123	112	99	65		
		40			175	172	169	165	161	157	148	139	129	118	106	92	51		
		50		175	172	169	165	161	157	153	144	135	124	113	100	85			
		60	175	172	169	165	161	157	153	149	140	130	119	107	93	78			
100H25 13 13 Stages	25	0									172	167	161	155	148	140	125	107	86
		20							175	172	167	161	155	148	141	133	117	99	73
		30						175	172	170	164	158	152	145	137	130	113	94	63
		40					175	173	170	168	162	156	149	142	134	126	109	88	52
		50				175	173	170	168	165	159	153	146	138	130	122	105	82	
		60			175	173	170	168	165	162	156	150	142	135	126	118	100	75	

Model 150H

SELECTION CHART

Horsepower Range 5 - 25, Recommended Range 50 - 240 GPM, 60 Hz, 3450 RPM

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																
	HP	PSI	25	50	75	100	125	150	175	200	250	300	350	400	450	500	600
150H05 2 2 Stages	5	0	254	230	200	164	102										
		20	206	172	120												
		30	174	122													
		40	126														
		50															
		60															
150H07 3 3 Stages	7.5	0		250	234	215	192	164	126								
		20	237	220	194	170	130	78									
		30	220	197	174	134	78										
		40	200	174	140	84											
		50	176	142	90												
		60	144	100													
150H10 4 4 Stages	10	0			251	238	223	205	186	163	92						
		20	253	240	225	210	190	168	140	104							
		30	240	226	210	190	170	140	104								
		40	228	212	193	172	146	108									
		50	213	193	172	147	111										
		60	194	176	148	116											
150H15 6 6 Stages	15	0				255	246	236	226	216	192	164	122				
		20		257	248	238	228	218	206	194	167	128					
		30	258	248	238	228	218	206	194	181	150	100					
		40	248	240	230	220	208	196	184	168	130						
		50	240	230	220	209	196	184	170	154	107						
		60	234	220	210	198	185	172	154	136	78						
150H20 8 8 Stages	20	0					259	252	244	237	221	204	183	163	134	95	
		20			260	253	246	238	230	223	206	187	166	138	100		
		30		260	253	246	239	231	223	214	197	177	154	120			
		40		254	247	240	232	224	216	208	188	168	140	102			
		50	255	247	240	232	224	216	208	199	180	156	125	80			
		60	247	240	232	225	216	209	199	190	170	142	106				
150H25 10 10 Stages	25	0							258	252	240	226	212	198	182	165	113
		20					259	253	247	240	227	213	199	183	166	144	78
		30				260	253	247	240	234	220	207	192	175	156	132	100
		40			260	254	247	241	234	228	214	200	184	168	146	118	
		50		260	254	248	242	235	229	222	208	193	177	158	134	104	
		60	260	254	248	242	235	230	222	216	201	186	169	148	120	84	

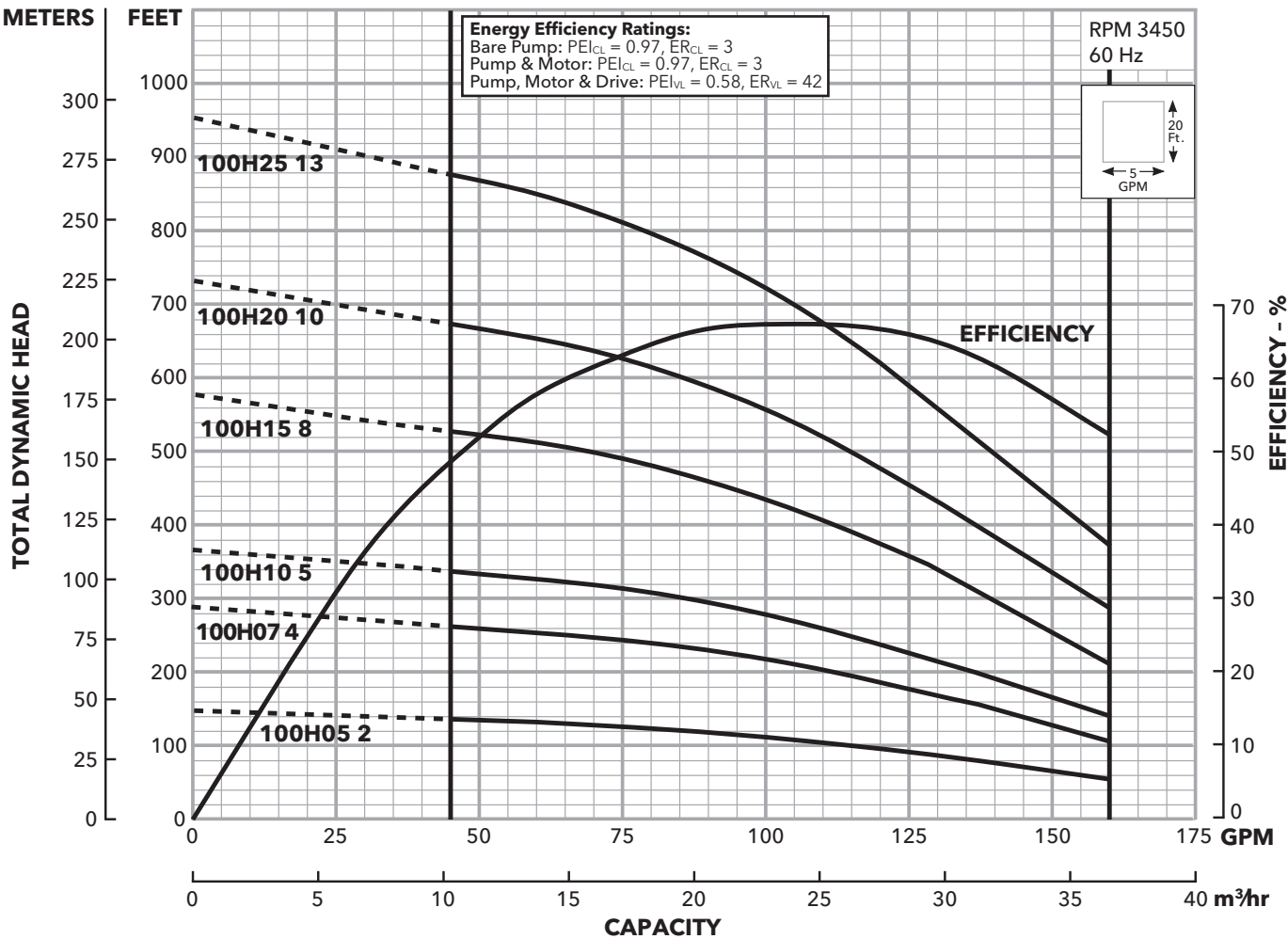
Model 225H

SELECTION CHART

Horsepower Range 5 - 30, Recommended Range 80 - 360 GPM, 60 Hz, 3450 RPM

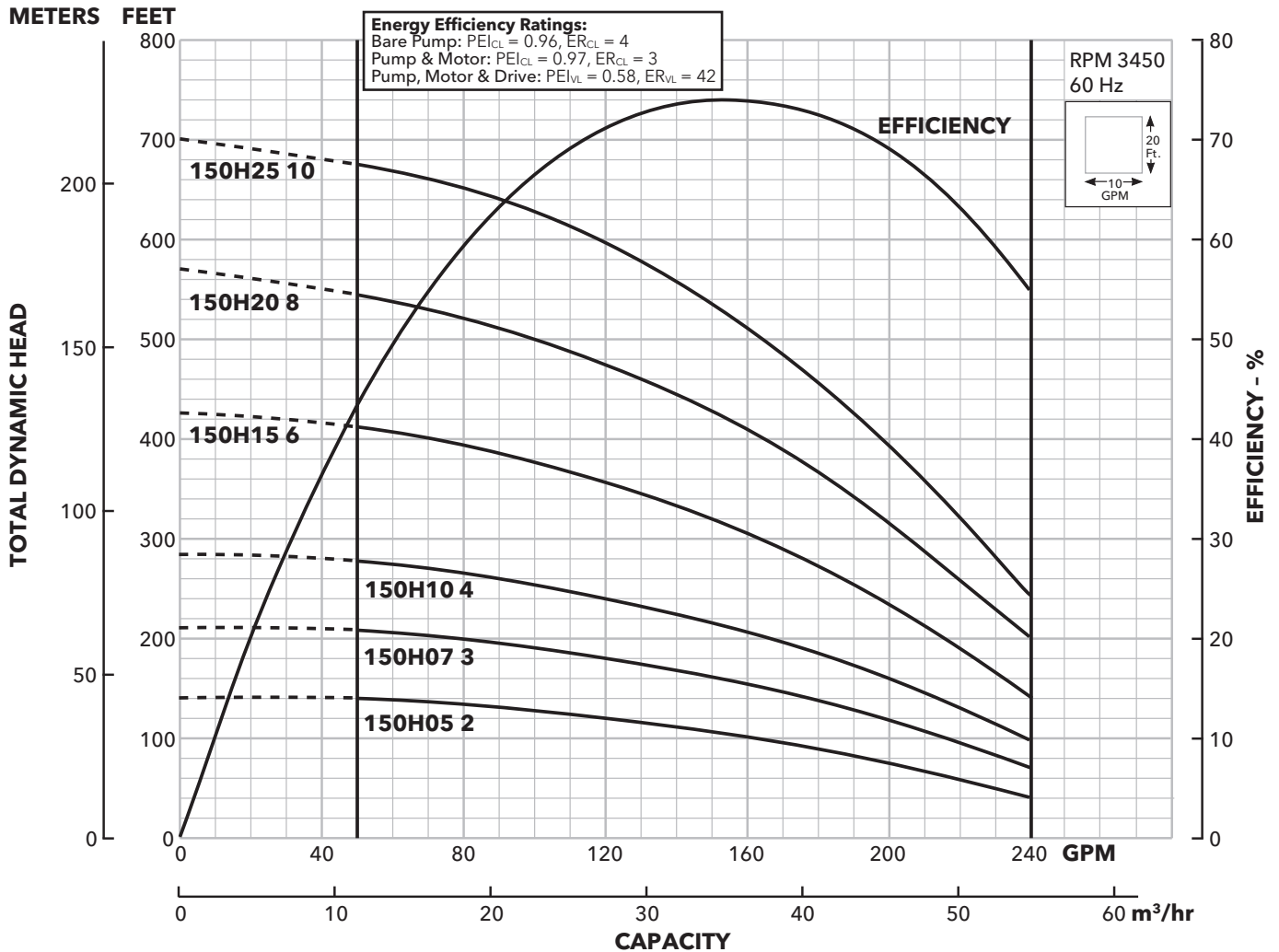
Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)															
	HP	PSI	25	50	75	100	125	150	175	200	250	300	350	400	450	500
225H05 2 2 Stages	5	0	230	282	220	100										
		20	236	136												
		30	140													
		40														
		50														
		60														
225H07 2 2 Stages	7.5	0		320	270	210										
		20	280	222	120											
		30	226	116												
		40	136													
		50														
		60														
225H10 3 3 Stages	10	0		350	320	285	250	210	140							
		20	324	292	258	216	154									
		30	294	260	220	160										
		40	262	230	166											
		50	226	174												
		60	178													
225H15 4 4 Stages	15	0			334	320	296	272	242	210						
		20	350	326	302	276	250	216	276							
		30	326	302	277	251	220	180								
		40	304	280	252	222	182									
		50	282	258	224	186										
		60	258	226	192											
225H20 6 6 Stages	20	0				352	336	320	304	287	251	207	130			
		20		354	340	324	307	290	273	254	212	140				
		30	355	340	325	308	292	274	254	236	184					
		40	341	326	309	293	275	257	236	215	148					
		50	326	310	294	276	258	238	216	190						
		60	312	295	278	260	240	220	194	156						
225H25 7 7 Stages	25	0				360	348	334	320	306	277	245	208	150		
		20			350	336	322	308	294	280	248	212	158			
		30		351	327	324	310	296	281	264	232	190	110			
		40	350	340	324	311	296	282	266	250	212	164	116			
		50	340	324	312	296	282	266	252	234	196	120				
		60	327	312	298	284	269	252	236	218	168					
225H30 8 8 Stages	30	0					356	344	332	320	296	270	242	208	162	
		20			358	346	334	322	310	300	272	244	212	168		
		30		358	347	335	323	311	300	286	260	230	194	131		
		40	360	348	336	324	312	300	287	274	246	214	172			
		50	349	337	326	313	301	288	275	262	232	197	140			
		60	338	326	314	302	290	276	262	248	218	176				
225H30 9 9 Stages	30	0						352	342	332	311	289	265	240	209	167
		20				354	344	334	324	313	291	268	242	212	172	92
		30			354	344	334	324	313	302	280	256	228	194	144	
		40		356	346	336	325	314	303	292	269	244	214	176	102	
		50	356	346	336	326	315	304	294	282	258	230	198	150		
		60	347	337	326	316	306	294	282	270	244	216	178	110		

Model 100H



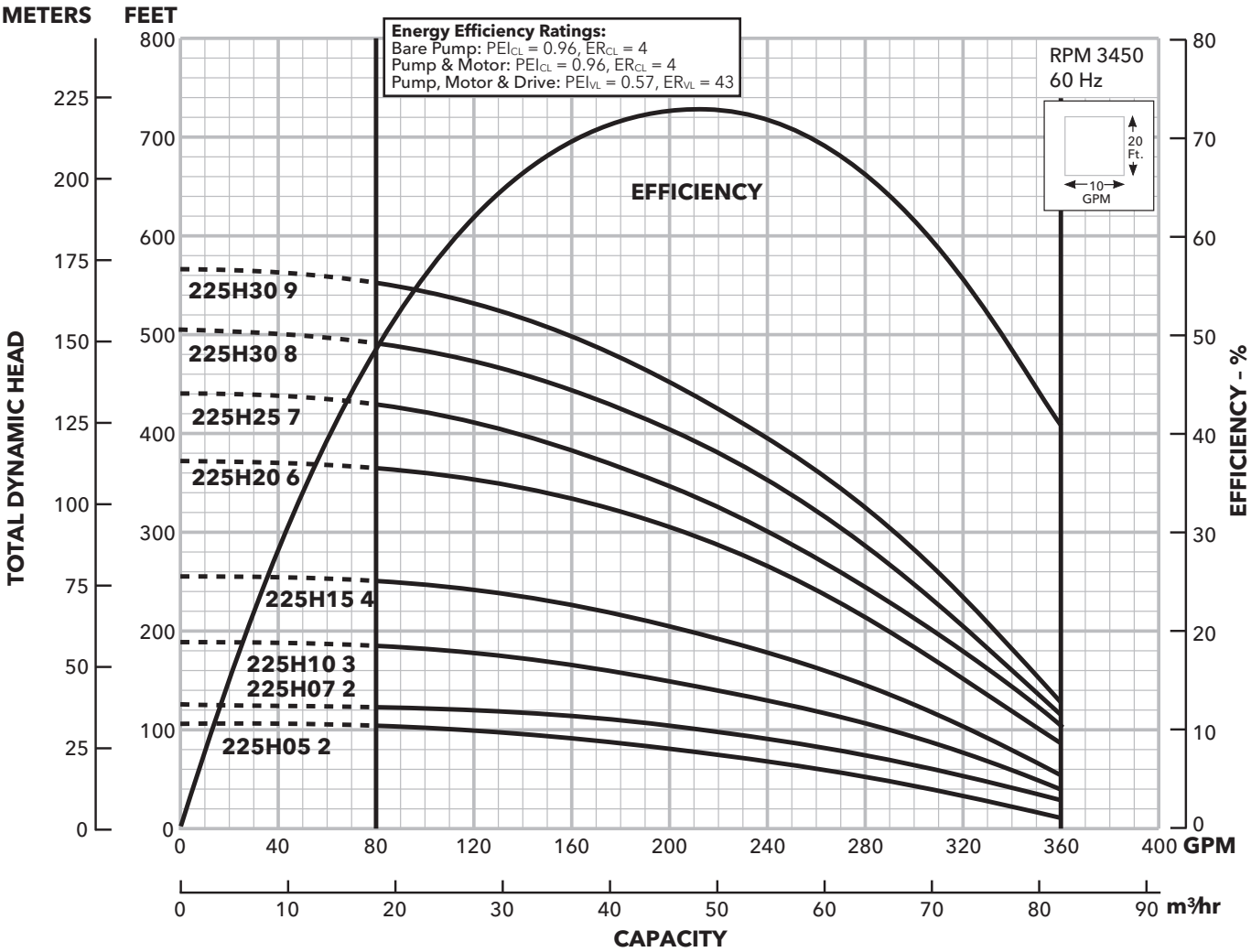
Curve Reference SU 0021RO

Model 150H



Curve Reference SU 507

Model 225H



Curve Reference SU 508

NOTES

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



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